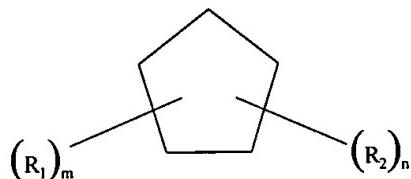


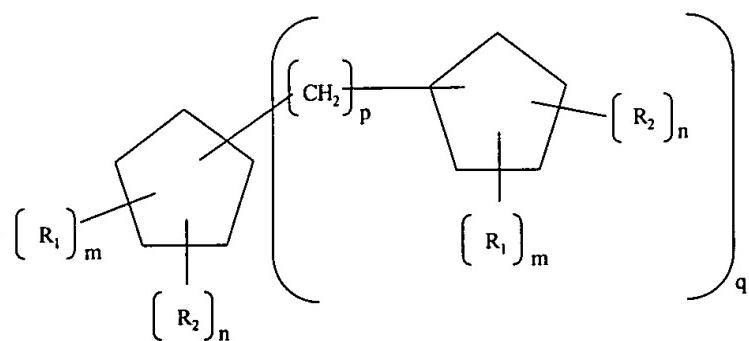
- 31
1. (Thrice Amended) A magnetic recording medium, comprising:  
a non-magnetic support;  
a magnetic layer formed on the support; and  
a lubricant layer over the magnetic layer, the lubricant layer includes a hydrocarbyl-substituted cyclopentane as represented by the following formula:



wherein  $R_1$  and  $R_2$  are respectively a hydrocarbyl group, and  $m$  and  $n$  are respectively zero or a positive integer and the sum of  $m + n$  is greater than zero; and

wherein the hydrocarbyl consists of carbon and hydrogen and wherein the hydrocarbyl-substituted cyclopentane comprises at least 29 carbon atoms.

- 12
11. (Thrice Amended) The magnetic recording medium of claim 1, wherein the hydrocarbyl-substituted cyclopentane, is represented by the following formula:

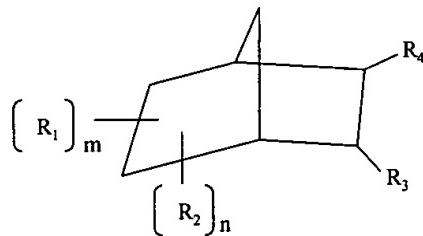


*D<sup>2</sup> Comt*

wherein p is 1, 2, 3, ..., or 10; q is 1, 2, 3, ..., or 10; m and n are zero or a positive integer; R<sub>1</sub> and R<sub>2</sub> are individually a hydrocarbyl group; and  
wherein the hydrocarbyl consists of carbon and hydrogen.

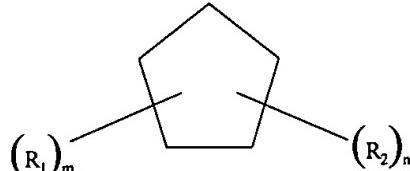
*D<sup>3</sup>*

12. (Thrice Amended) The magnetic recording medium of claim 1, wherein the hydrocarbyl-substituted cyclopentane, is represented by the following formula:



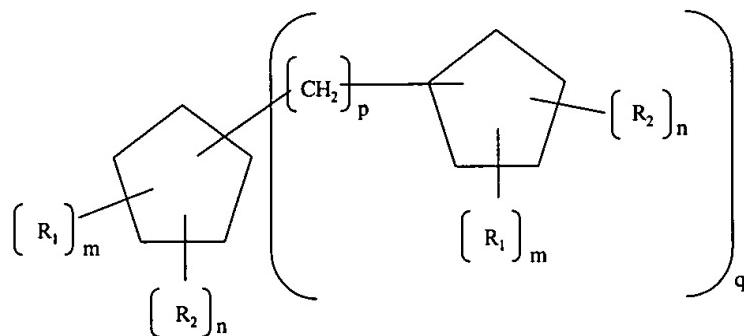
wherein m and n are zero or a positive integer; R<sub>1</sub> and R<sub>2</sub> individually are a hydrocarbyl group; R<sub>3</sub> and R<sub>4</sub> individually are hydrocarbyl; and  
wherein the hydrocarbyl consists of carbon and hydrogen.

14. (Thrice Amended) The magnetic recording medium of claim 13, wherein the hydrocarbyl-substituted cyclopentane, is represented by the following formula:



wherein R<sub>1</sub> and R<sub>2</sub> are respectively a hydrocarbyl group, and m and n are respectively zero or a positive integer and the sum of m + n is greater than zero; and  
wherein the hydrocarbyl consists of carbon and hydrogen.

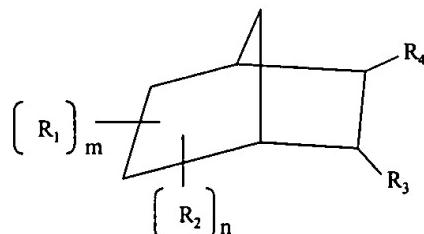
23. (Thrice Amended) The magnetic recording medium of claim 13, wherein the hydrocarbyl-substituted cyclopentane, is represented by the following formula:



wherein p is 1, 2, 3, ..., or 10; q is 1, 2, 3, ..., or 10; m and n are zero or a positive integer; R<sub>1</sub> and R<sub>2</sub> are individually a hydrocarbyl group; and

wherein the hydrocarbyl consists of carbon and hydrogen.

24. (Thrice Amended) The magnetic recording medium of claim 13, wherein the hydrocarbyl-substituted cyclopentane, is represented by the following formula:



wherein m and n are zero or a positive integer; R<sub>1</sub> and R<sub>2</sub> individually are a hydrocarbyl group; R<sub>3</sub> and R<sub>4</sub> individually are hydrocarbyl; and

wherein the hydrocarbyl consists of carbon and hydrogen.

25. (Thrice Amended) A magnetic head, comprising:  
a head; and

*E1  
cmelc*  
a lubricant layer over at least a portion of the head, the lubricant layer comprising a hydrocarbyl substituted cyclopentane; and  
*wherein the hydrocarbyl consists of carbon and hydrogen.*

*D5  
cmelc*

26. (Thrice Amended) A data storage/retrieval device, comprising:  
a magnetic recording medium including a magnetic layer over a support and a lubricant layer over the magnetic layer, the lubricant layer comprising a hydrocarbyl substituted cyclopentane; and  
a magnetic head adjacent to the magnetic recording medium, the magnetic head sliding on the magnetic recording medium to read and write information on the magnetic recording medium; and  
wherein the hydrocarbyl consists of carbon and hydrogen and wherein the hydrocarbyl-substituted cyclopentane comprises at least 29 carbon atoms.

*ab*

29. (Thrice Amended) A computer, comprising:  
a CPU;  
a disk drive connected to the CPU so that the disk drive can communicate with the CPU, the disk drive including:  
a magnetic recording medium having a magnetic layer over a support and a lubricant layer over the magnetic layer, the lubricant layer comprising a hydrocarbyl substituted cyclopentane; and  
a magnetic head adjacent to the magnetic recording medium, the magnetic head sliding on the magnetic recording medium to read and write information on the magnetic recording medium; and  
wherein the hydrocarbyl consists of carbon and hydrogen and wherein the hydrocarbyl-substituted cyclopentane comprises at least 29 carbon atoms.

30. (Thrice Amended) A method of manufacturing a magnetic recording medium, comprising:

providing a non-magnetic support;

forming a magnetic layer on the support; and

forming a lubricant layer over the magnetic layer, the lubricant layer comprising a hydrocarbyl substituted cyclopentane; and

wherein the hydrocarbyl consists of carbon and hydrogen and wherein the hydrocarbyl-substituted cyclopentane comprises at least 29 carbon atoms.

33. (Twice Amended) The magnetic recording medium of claim 32, wherein the additives are cyclic phosphazenes, metallic soaps, fatty acids, amides, fatty acid esters, higher aliphatic alcohols, monoalkyl phosphates, dialkyl phosphates, trialkyl phosphates, paraffins, silicone oils, animal oils, vegetable oils, mineral oils, higher aliphatic amines, inorganic fine powders, resin fine powders, unsaturated aliphatic hydrocarbons, or a mixture thereof.

35. (Twice Amended) The magnetic recording medium of claim 34, wherein the additives are cyclic phosphazenes, metallic soaps, fatty acids, amides, fatty acid esters, higher aliphatic alcohols, monoalkyl phosphates, dialkyl phosphates, trialkyl phosphates, paraffins, silicone oils, animal oils, vegetable oils, mineral oils, higher aliphatic amines, inorganic fine powders, resin fine powders, unsaturated aliphatic hydrocarbons, or a mixture thereof.

36. (Once Amended) The magnetic recording medium of claim 1, wherein the lubricant layer including a mixture of two or more lubricants; one lubricant is a hydrocarbyl-substituted cyclopentane which is not functionalized; another lubricant is a hydrocarbyl-substituted cyclopentane which is functionalized.

37. (Once Amended) The magnetic recording medium of claim 13, wherein the lubricant layer including a mixture of two or more lubricants; one lubricant is a hydrocarbyl-